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(CHLORPROMAZINE, effects,
on CNS, review (Cz))
(CENTRAL NERVOUS SYSTEM, effect of drugs on,
chlorpromazine, review (Cz))

DUBANSKY, B.; KOLARIK, M.; RUZICKOVA, R.; SEVCIK, M.; VYHNANKOVA, M.

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(INDOLES) (HALLUCINOGENS) (ELECTROENCEPHALOGRAPHY)
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RUZICKOVA,R.; VYHNANKOVA,M.; BILY,D.

Clinical and experimental examination of chronic schizophrenics with speech disorders. Activ. nerv. sup. 6 no.1:77-78 '64.

L 43009-66

ACC NR: AP6031814 SOURCE CODE: CZ/0083/65/000/005/0298/0302

19
B

AUTHOR: Ruzickova, R.--Ruzhichkova, R.; Bily, D.--Bily, D.; Vyhnankova, M.--Vygnankova, M.

ORG: Laboratory of Higher Nervous Activity, Medical Faculty, Palacky University, Olomouc (Laborator vyssi nervove cinnosti lekarske fakulty PU); Mental Hospital, Havlickuv Brod (Psychiatricka lecebna)

TITLE: Clinical and experimental studies of chronic schizophrenics 22 with speech disorders. Part I. Clinical aspects [This paper was presented at the 2nd Interdepartmental Conference "Physiology, Pathology and Hygiene of Higher Nervous Activity" held in Luhacovice on 11 October 1963.]

SOURCE: Ceskoslovenska psychiatrie, no. 5, 1965, 298-302

TOPIC TAGS: psychoneurotic disorder, behavior pattern, psychology, psychiatry

ABSTRACT: Study of 20 schizophrenic patients with speech disorders, including 10 men and 10 women, average age 51, compared with 10 aphasic patients. Two different types of confabulatory neologism production were identified in the schizophrenics and are described in detail, with two typical examples in one male and one female patient. [Based on authors' Eng. abst.] [JPRS: 33,500]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 001 / SOV REF: 001
OTH REF: 014

Card 1/1 MLP

0919 0362

L 29520-66 RO

ACC NR: AP6020022 SOURCE CODE: CZ/0079/65/007/003/0307/0307

AUTHOR: Dubansky, B. (Olomouc); Vyhnankova, M.

ORG: Laboratory of Higher Nervous Activity, Palacky University, Olomouc

TITLE: Pathological laughter as manifestation of the psychotomimetic action of psilocybin [This paper was presented at the 7th Annual Psychopharmacological Meeting, Jesenik, 20-23 January 1965.]

SOURCE: Activitas nervosa superior, v. 7, no. 3, 1965, 307

TOPIC TAGS: brain, injury, behavior pattern, drug treatment

ABSTRACT: Experiments were conducted on 7 healthy subjects and 47 patients with organic brain damage of different kinds and localizations. It seems that laughter after psilocybin is used is similar in character to laughter caused by organic brain damage. Irritation and liberation of motor subcortical structures and systems participate in the motor and mimetic pattern of laughter. The liberation from depressing subcortical influences in the case of the psychomimetic action of psilocybin is purely functional and fully reversible. [Orig. art. in Eng.] [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 001

Card 1/1 JS

Received 2 Jul 65.

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CZECHOSLOVAKIA

RUZICKOVA, R.; BILY, D.; VYHNANKOVA, M.; Laboratory of Higher Nervous Activity, Medical Faculty, Palacky University (Laborator Vyssi Nervove Cinnosti Lekarske Fakulty PU), Olomouc; Psychiatric Hospital (Psychiatricka Lecebna), Havlickuv Brod.

"Clinical and Experimental Examination of Patients with Chronic Schizophrenia and Speech Disturbances. II. Experimental Part."

Prague, Ceskoslovenska Psychiatrie, Vol 62, No 6, Dec 66, pp 374 - 385

Abstract [Authors' English summary modified]: A group of 20 schizophrenics was compared to a group of 20 aphatics by means of Kraepelin's definition of schizophasia. It appeared that schizophasia was the terminal stage of schizophrenia, most frequently its paranoid form. The first attack is usually very sudden with speech incoherence and recurring catatonic traits. The importance of the premorbid level of intelligence is evaluated. Substantial differences between the schizophrenics and the aphatics were found in all criteria used, such as language and association experiments. The schizophrenic group did not show disturbed phatic functions. 8 Tables, 2 Western, 6 Czech, 9 Russian, 1 East German reference. (Ms. rec. 22 Sep 64).

1/1

CZECHOSLOVAKIA

DUBANSKY, B.; VYHNANKOVA, M.; Laboratory of Higher Nervous Activity, Palacky University, Olomouc. [Original version not given.]

"Akinesia and Mutism Manifested After Administration of Psilocybin in Organic Brain Damage."

Prague, Activitas Nervosa Superior, Vol 8, No 4, Nov 66, pp 347 - 348

Abstract: The effect of a dose of 0.14-0.16 mg of Psilocybin on psychomotor activity was investigated in 102 patients with organic brain lesion of different etiology and localization. Results were compared to those obtained on 10 healthy subjects. Light psychomotor depression was found in 4 healthy and 43 sick subjects; psychomotor inhibition was found in 4 healthy and 24 sick subjects; predominating psychomotor hyperactivity in 1 healthy and 12 sick patients; without any psychomotor reaction were 8 patients and 1 healthy subject. In 12 patients with brain damage a very strong inhibition occurred, in 3 with brain stem lesions akinetic mutism resulted. 2 Western, 4 Czech references. Submitted at the 8th Annual Psychopharmacological Meeting at Jesenik, 18-22 Jan 66. Article is in English.

CZECHOSLOVAKIA

KOLARIK, M.; SEVSIK, M.; DUBANSKY , B.; VYHNANKOVA, M.; Laboratory of HNA, Olomouc. [Original version not given].

"Comparison of EEG Desynchronization and the Optical Hallucinogenic Affect of Psilocybin in Organic Brain Lesions."

Prague, Activitas Nervosa Superior, Vol 8, No 4, Nov 66, p 350

Abstract: Correlation of the psychomimetic, visual, hallucinogenic, and EEG desynchronizing effect of psilocybin with the location of the brain lesion was investigated in 51 patients with organic brain damage of various etiology and location. Desynchronization was observed in 100% of patients with parietal lesions, in 90% with frontal, 75% with temporal, and 33.3% with occipital. Patients with occipital lesions showed a suppression of the EEG blocking response in 66.6%, and a response -suppression to photostimulation in 44.5% following Ps administration. 4 Western, 1 Czech reference. Submitted at the 8th Annual Psychopharmacological Meeting at Jesenik, 18 - 22 Jan 66. Article is in English.

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(Kirghizistan--Grasses)

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1. Akademiya nauk Kirgizskoy SSR. Institut botaniki.
(Dzhety-Oguz District--Pastures and meadows)

IONOV, R.N.; VYKHODTSEV, I.V., red.; ANOKHINA, M.O., tekhn.red.

[Biology of seeded forage plants in Susamyr Valley of central Tien Shan] Biologiia seianykh kormovykh trav v urochishche Susamyr TSentral'nogo Tian'-Shania. Frunze, Akad.nauk Kirgizskoi SSR, 1959. 78 p. (MIRA 12:11)
(Susamyr--Forage plants)

ISAKOV, Koyohu; VYKHODTSEV, I.V., prof., doktor biolog.nauk, red.; BUTENKO, N.P., red.izd-va; ANOKHINA, M.G., tekhn.red.

[Vegetation of the Chongkemin Basin] Rastitel'nost' basseina reki Chon-Kemin. Frunze, Izd-vo Akad.nauk Kirgizskoi SSR, 1959. 267 p. (MIRA 13:7)
(Chongkemin Valley--Botany)

NIKITINA, Ye.V.; AYDAROVA, R.A.; UBUKEYEVA, A.U.; VYKHODTSEV, I.V., otv.red.; SOROKBAYEVA, N.V., red.izd-va; ANOKHINA, M.G., tekhn.red.

[Early spring plants of Kirghizistan; key for the identification of plants of the agricultural zone] Rannevesennie rasteniia Kirgizii; opredelitel' rastenii zemledel'cheskoi zony. Sost. E.V.Nikitina, R.A.Aidarova i A.U.Ubekeeva. Frunze, 1960. 111 p.
(MIRA 13:7)

1. Akademiya nauk Kirgizskoy SSR, Frunze. Institut botaniki.
(Kirghizistan--Botany)

VYKHODTSEV, I.V., doktor biol. nauk, prof., red.

[Collection of works on geobotany] Sbornik rabot po geobotanike. Frunze, Izd-vo AN Kirg.SSR, 1964. 141 p. (MIRA 17:8)

VYKHODTSEV, N.A.

PHASE I BOOK EXPLOITATION SOV/4397

Nauchno-tekhnicheskoye obshchestvo priborostroitel'noy promyshlennosti

Priborostroyeniye i izmeritel'naya tekhnika (Instrument Manufacture and Measurement Technique) Moscow, Mashgiz, 1960. 462 p. Errata slip inserted. 3,000 copies printed.

Ed.: A.N. Gavrilov, Doctor of Technical Sciences, Professor; Tech. Ed.: A. Ya. Tikhonov; Managing Ed. for Literature on Machine and Instrument Construction (Mashgiz): N.V. Pokrovskiy, Engineer.

PURPOSE: This collection of articles is intended for scientific and technical personnel in the instrument industry.

COVERAGE: The 23 articles deal with the present state and the outlook for the development of instrument manufacture and measurement technique. New problems of design, construction, and manufacture of instruments are discussed in the first two sections. Emphasis is given to problems of automation and mechanization of production and to the application of new techniques in program control, ultrasonics, and chipless working of metals. The third section deals with new measurement methods involving the use of ultrasonics and radio isotopes. Some theoretical aspects of metrology and measurement technique are also discussed in this section. No personalities are mentioned. References accompany several of the articles

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3560. COMBINE (MINING MACHINERY) KP-2M IN SHAFT 33. Vykhodtsev, N.M. (Mekhanizatsiya Trud. i Tyazhel. Rabot (Mechanization of Arduous Work), May 1951, 19).

NIKOLIN, A.V.; BELOV, A.P., kapitan-nastavnik; VAHLAMOV, I.S., kapitan-nastavnik; KOSMACHEV, I.K., kapitan-nastavnik; SARATOV, V.F., kapitan-nastavnik; SHMONIN, M.I., kapitan-nastavnik; BEKMAN, A.A., kapitan; DRUZHININ, A.V., kapitan; IVANINA, B.F., kapitan; POLETAYEV, L.A., kapitan; VESHCHILOV, K.A.; VYKHODTSEV, P.K.; SMOLDYREV, A.Ye.; VERESHCHAGIN, Ya.A.; SUTYRIN, M.A.; SAVOSTIN, N.D.; FILYASOV, K.A.; GOLOVUSHKIN, M.P.; IVANOV, A.I.; FILYASOV, K.A., otv.za vypusk; ALEKSEYEV, V.I., red.izd-va; YERMAKOVA, T.T., tekhn.red.

[Rules of navigation on R.S.F.S.R. inland waterways] Pravila plavaniia po vnutrennim vodnym putiam RSFSR. Vvedeny v deistvie s 1 marta 1959 g. prikazom ministra rechnogo flota no.28 ot 11 fevralia 1959 g. Moskva, Izd-vo "Rechnoi transport," 1959. 124 p. (MIRA 13:6)

1. Russia (1917- R.S.F.S.R.) Ministerstvo rechnogo flota. 2. Glavnyy revizor po bezopasnosti sudokhodstva (for Nikolin). 3. Nachal'niki basseynovykh sudokhodnykh inspektsiy (for Veshchilov, Vykhodtsev, Smoldyrev). 4. Rabotniki Upravleniya glavnogo revizora po bezopasnosti sudokhodstva (for Vereshchagin, Sutyrin, Savostin, Filyasov). 5. Glavnoye upravleniye vodnykh putey i gidrotekhnicheskikh sooruzheniy (for Golovushkin).

(Inland navigation--Laws and regulations)

VYKHODTSEV, Semen Vasil'yevich; BAKLANOV, G.I., red.; DZHAPARIDZE, V.V., red.; PRIVEZENTSEVA, A.G., red.; PYATAKOVA, N.D., tekhn. red.

[Statistics of the petroleum industry]Statistika neftianoi promyshlennosti. Moskva, Gosstatizdat 1962. 278 p. (MIRA 16:4)

(Petroleum industry--Statistics)

VYKHODTSEV, V.V.

In the department of communication and signaling, central control and block systems of the All-Union Central Scientific Research Institute. Avtom., telem. i sviaz' 2 no.2:42-44 F '58. (MIRA 11:1)

1. Rukovoditel' otdeleniya svyazi i signalizatsii, tsentral'zatsii, blokirovki Vsesoyuznogo tsentral'nogo nauchno-issledovatel'skogo instituta Ministerstva putey soobshcheniya.
(Railroads--Signaling)

VYKHODTSEV, V.V., inzh.; SHISHLYAKOV, A.V., kand.tekhn.nauk

Track and locomotive signaling in high-speed traffic. Zhel.-dor.transp. 45 no.12:40-43 D '63. (MIRA 17:2)

NIKOLIN, A.V., glav. revizor po bezopasnosti sudokhodstva; red.; PIROZHKOV, N.I., kapitan-nastavnik, red.; POLETAYEV, L.A., kapitan-nastavnik, red.; KOZIN, N.A., kapitan, red.; KUZNETSOV, B.Yu, kapitan, red.; TARASOV, A.G., kapitan, red.; VYKHODTSEV, P.K., red.; PERMYAKOV, V.V., red.; SIDOROV, F.G., red.; SOLOV'YEV, V.B., red.; SHIRINKIN, A.D., red.; SHCHEPETOV, I.A., red.; SMIRNOV, F.A., red.; KOSTIN, V.F., red.; SAVOSTIN, N.D., red.; FILYASOV, K.A., red.; IVANOV, A.I., red.; LOBANOV, Ye.M., red.izd-va; REMNEVA, T.T., tekhn. red.

[Rules for the navigation on inland shipping routes of the R.S.F.S.R.] Pravila plavaniia po vnutrennim sudokhodnym putiam RSFSR. Vvedeny v deistvie s 15 marta 1963. g. prikazom ministra rechnogo flota No.33 ot 28 fevralia 1963. g. Moskva, Izd-vo "Rechnoi transport," 1963. 98 p. (MIRA 16:6)

1. Russia (1917- R.S.F.S.R.) Ministerstvo rechnogo flota. (Inland navigation--Laws and regulations)

VyK. Nad 152 U.S.V.
11(4)

PHASE I BOOK EXPLOITATION SOV/2124

Mezhvuzovskoye soveshchaniye po voprosam novoy tekhniki v neftyanoy promyshlennosti. Moscow, 1956

Razvedka i razrabotka neftyanykh i gazovykh mestorozhdeniy; materialy soveshchaniya, tom. 1 (Prospecting and Development of Oil and Gas Deposits; Papers of the Inter-[illegible] Conference on New Techniques in the Petroleum Industry, Vol 1) Moscow, Gostoptekhizdat, 1958. 311 p. Errata slip inserted. 1,500 copies printed.

Eds.: I. M. Murav'yev, Professor, Doctor of Technical Sciences, and V. N. Dakhnov, Professor, Doctor of Geological and Mineralogical Sciences; Editorial Board: K. F. Zhigach, Professor (Resp. Ed.), I. M. Murav'yev, Professor, A. A. Tikhomirov, Candidate of Economical Sciences, V. I. Yegorov, Candidate of Economical Sciences, M. M. Charygin, Professor, F. F. Dunayev, Professor, N. I. Chernozhukov, Professor, Ye. M. Kuzmak, Professor, I. A. Charnyy, Professor, G. M. Panchenkov, Professor, V. N. Dakhnov, Professor, Doctor of Geological and Mineralogical Sciences, N. S. Nametkin, Doctor

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of Chemical Sciences, N. A. Almazov, Docent, V. N. Vinogradov, Candidate of Technical Sciences, V. I. Biryukov, Candidate of Technical Sciences, E. I. Tagiyev, and V. M. Gurevich; Executive Ed.: N. P. Dobrynina; Tech. Ed.: E. A. Mukhina.

PURPOSE: The book is intended for engineers and scientific personnel working in the petroleum industry and vtuzes. It may also serve as a textbook for advanced students of petroleum vtuzes.

COVERAGE: The book contains articles written by staff members of the Moscow, Groznyy, and Ufa Petroleum Institutes, the Kuybyshev and Azerbaydzhan Industrial Institutes, the UfNII (Ufa Scientific Research Institute), VNIIburneft' (All-Union Scientific Research Institute of Oil Drilling), KBNP (Design Office of Petroleum Instrument Making), the Bashneft Association (Bashkiriya Petroleum). These papers, read at the Mezhvuzy (Inter-Vuz) Scientific Conference, deal with new techniques in the petroleum industry introduced since 1956. Emphasis is given to the importance of efficient drilling, geophysical prospecting,

working of oil and gas deposits, and the use of new devices employed in oil and gas exploitation. There are 52 references: 44 Soviet, and 8 English.

TABLE OF CONTENTS:

Vykhodtsev, S. V. [Moscow Petroleum Institute]. Methods of Appraising Labor Productivity in Oil Well Drilling 37

The author discusses the two basic methods for estimating labor productivity: 1) according to natural output, and 2) according to production costs. He rejects the latter method as unsuited for drilling, since drilling involves indefinite periods of time. He reviews other methods for estimating labor productivity, for which he considers two conditions essential: 1) proper understanding of the produced item, and 2) understanding of labor expenditure in standard units of time. The basic elements in well drilling are production casing, erection of derricks, and installation of drilling equipment. These operations can, in his opinion, be easily estimated according to a) footage drilled, b) the erection and hauling of derricks, c) the erection and dismantling of rigs. He produces a table listing the output of a derrick-erecting crew at the Tuymazyburneft' (Tuymazy Oil Drilling) Trust, and states that the assembling of drilling equipment can be estimated in a similar manner. Finally he cites the records attained by drilling enterprises during the Fourth and Fifth Five-Year Plan periods and notes that labor productivity of drill-

ing crews rose 2.17% in 10 years. He further stated that labor output in turbine drilling had been higher than in rotary drilling. It had also been higher in production drilling than in exploration drilling. He notes that growth in labor output was much more rapid in new areas than in old regions. Output had increased 30% during the Fourth Five-Year Plan period and 48% during the Fifth Five-Year Plan.

Shatsov, N. I. [Moscow Petroleum Institute]. Efficient Use of Bits 49

The author asserts that a basic factor in drilling is the performance of the bit at the bottom-hole. The better its performance, the faster, easier and less costly is the drilling of a well, and the fewer [illegible]. A table indicates the time spent in drilling for the USSR as a whole, and for the Bashkiriya and Tatariya Associations. It also gives 1954 data for the United States.

Kagarmanov, N. F. [Ufa Petroleum Scientific Research Institute]. Ways of Increasing the Performance of Standard Bits 81

The author states that actual data on the performance of

serially-produced bits vary considerably even in horizons of the same type and disagrees with the prevailing opinion that they depend upon the nature of the rocks. He notes the 1955 analysis conducted by UfNII at the Tuymazy Oil Drilling Trust on the per bit footage of 15,000 standard bits. Tables gave data for each horizon and indicated the output of pumps and loading of bits. The result of the tests suggested the use of the following indicators for determining the time when the bit was raised from the bottom-hole in every horizon: 1) penetration per bit; 2) time of the efficient use of a bit at the bottom-hole; 3) final mechanical drilling speed per bit tip. The author cites foreign data (C. E. Williams and G. H. Burns) indicating that the flushing operation may be reduced by other means, such as by rotating the drill pipe during flushing. He considers the power and momentum of the turbodrill particularly important since smooth delivery depends upon it.

Zhigach, K. F., L. K. Mukhin, V. N. Demishev, and N. N. Goncharov [Moscow Petroleum Institute]. Petroleum-Base Drilling Fluids 92

The authors state that petroleum-base drilling fluids are being used to open productive horizons to maintain the penetration rate at the bottom-hole zone, and to increase the well output. The use of petroleum-base drilling fluids is particularly efficient for opening formations with high permeability and low pressure, where the absorption of a large amount of mud by the productive formation may prove dangerous. Petroleum-base drilling fluids also prove useful in opening formations with low permeability, particularly where the formation contains swelling clay. Petroleum-base drilling fluids produce good results in drilling under complex geological conditions and in drilling deep and directional wells.

Zhigach, K. F., L. K. Mukhin, and V. N. Demishev [Moscow Petroleum Institute]. Specification of Petroleum-Base Drilling Fluids 101

The authors describe the formula of petroleum-base drilling fluids developed at the laboratories of the MNI imeni Gubkina (Moscow Petroleum Institute im. Gubkin) and VNIIburneft' (All-Union Scientific Research Institute for Petroleum Drilling), and also cites foreign formulae and methods for controlling

parameters during the operation.

ization had originally been misinterpreted. The method was later used extensively in modified form in the coal industry, and helped in establishing the presence of coal layers. Systematic studies of this method were initiated in 1948 by the MNI chair of industrial geophysics. Laboratory tests established that induced polarization of rocks may, under specific conditions, reach considerable dimensions. The studies revealed another alternative on the nature of induced polarization of porous rocks. The principal cause of the emmision of potentials induced by polarization in porous rocks, when saturated with an electrolyte solution, is the deformation of the dual electrical layer present on the surface of rock grain in the polarized electrical field.

Conclusions:

1. Induced polarization assists in making a fractional breakdown of well cuts and classifies reservoirs of the lowest, medium and highest permeability; it also distinguishes clays of greater and lesser degrees of sandy content.
2. Induced polarization allows an appraisal of the degree

The author states that his KBNP office cooperates with the design offices of the Neftepribor (Petroleum Instrument), Geofizika (Geophysics), and the Mytishchinskiy Instrument-Making Plants in manufacturing the largest amount of new industrial geophysical equipment in the petroleum industry. Because of the large demand by the industry, the volume produced by the KBNP office was inadequate and production was doubled in 1957. The KBNP has an experimental plant, a model shop, and laboratories.

Dakhnov, V. N., and A. I. Kholin [Moscow Petroleum Institute]. On the Problem of Quantitative Evaluation of Residual Oil Saturation of a Reservoir Carried Out by Radioactive Methods 209

The authors state that the determination of the type of liquid saturating the formation reservoir encased in the well presents one of the major problems for advancing the technology of petroleum exploration. Constant observation of the movements and changes in water-oil contact in all wells is essential, and the radiometric method, developed between 1953 and 1955 at Laboratory Nr 1 of the MNI (Moscow Petroleum Institute), which helps determine the type of liquid saturating the formation, answers the purpose.

the following groups: 1) equipment for the study of petroleum reservoirs; 2) equipment for the study of petroleum properties under formation conditions; 3) control-measuring devices and equipment for depth measurements. The article also refers briefly to work on automatization, remote control, and the management of processes of petroleum production.

Ivanov, M. M. [Ufa Petroleum Scientific Research Institute]. New UfNII Instruments for Studying Deep Wells. 296

The author lists new models of UfNII-designed depth instruments. Between 1954 and November 1955 work was performed with the aid of DGM-4 differential manometers in studying well interference and the precise location of the interrelation of Devonian formations at the Tuymazy oil deposits. These studies led to important conclusions on the structure of oil formations D_1 and D_2 in the Tuymazy area and confirmed the existence of hydraulic contact between the two formations. A depth piezograph, produced at the UfNII Institute is now undergoing industrial tests.

Alizade, G. A., Yu. V. Grachev, A. M. Melik-Shakhnazarov, and

Prospecting and Development (Cont.) SOV/2124

M. Ye. Fridman [Azerbaydzhan Industrial Institute]. Telemetering Parameters of Deep Oil Wells 304

The authors discuss the importance of depth studies (in drilling and working oil wells). The Azerbaydzhan Institute studies and designs devices for the continuous automatic telemetering of parameters of deep wells. The article describes several experimental models of these devices.

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VYKHODTSEV, V.V., nachal'nik.

Train radio communications. Nauka i zhizn' 20 no.10:36 O '53. (MLRA 6:10)

1. Otdel svyazi Vsesoyuznogo nauchno-issledovatel'skogo instituta zheleznodorozhnogo transporta. (Railroads--Electronic equipment)

MAYSHEV, P.V.; ZHIL'TSOV, P.N.; VYKHODTSEV, V.V.; KOTLYARENKO, N.Y.; BRYLEYEV, A.M.; KUT'IN, I.M.; NEUGASOV, N.M.

Seventy-fifth anniversary of the birth of Professor Nikolai Usipovich Roginskii. Avtom., telem. i sviaz' 2 no.3:34 Mr '58. (MIRA 13:1)

(Roginskii, Nikolai, Usipovich 1883-)

VYKHODTSEV, V.V., inzh.

Prospects for developing automatic control, remove control, and communications on railroads. Zhel.dor.transp. 40 no.10:9-12 O '58. (MIRA 11:12)

(Railroads--Signaling)

VYKHODTSEVA, V.

The most important thing. Zhil.-kom. khoz. 11 no.10:14-15 O '61. (MIRA 15:1)

1. Predsedatel' kul'turnoy komissii domovogo komiteta ZhEK No.3 Leninskogo rayona Moskvy.
(Moscow--Children's clubs)

SUKHOMLINOV, M.M.; VYKHOVANETS, V.I.

Converting decimal integers into binary integers and binary fractions into decimal fractions. Mat. mod. i elek. tsepi no.1: 238-245 '63. (MIRA 16:11)

SUKHOMLINOV, Maksim Maksimovich, kand. tekhn. nauk; VYKHOVANETS, Vitaliy Ivanovich, inzh.; KATKOV, F.A., doktor tekhn. nauk, retsenzent; DIDYK, B.S., inzh., retsenzent; IVAKHNENKO, A.G., red.

[Number code converters] Preobrazovateli kodov chisel. Kiev, Tekhnika, 1965. 135 p. (MIRA 18:4)

1. Chlen-korrespondent AN Ukr.SSR (for Ivakhnenko).

VYKHODTSEVA, T.

Using hydropneumatic methods in cleaning water pipes. Zhil.-kom.khoz. 9 no.12:11-12 '59. (MIRA 13:4)

1. Nachal'nik tsekha vodosnabzheniya tresta "Orgvodokanal".
(Water pipes--Cleaning)

BLUVSHTEYN, Moisey Menashovich; BABENKOV, Yevgeniy Dmitriyevich; VYKHODTSEVA, T.A., red.

[Starting and repairing the purification equipment of water supply lines] Pusk i naladka ochistnykh sooruzhenii vodoprovoda. Moskva, "Stroiizdat," 1964. 138 p. (MIRA 17:6)

SUKHOMLINOV, Maksim Maksimovich; VYKHOVANETS, V.I.

[Number code converters] Preobrazovateli kodov chisel. Kiev, Izd-vo Tekhnika, 1965. 135 p. (MIRA 18:10)

VYKHOVANETS, V.V.; LIPOVICH, V.G.; KNUTOV, V.I.; CHENETS, V.V.; BLYUM, O.I.; KALECHITS, I.V.

Syntheses of methylcyclohexanes labeled with carbon-C^{14} in positions 1,2,3,4, and 7. Zhur.VKHO 10 no.4:465-466 '65. (MIRA 18:11)

1. Institut nefte- i uglekhimicheskogo sinteza.

VYKHOVANETS, V.V.; CHENETS, V.V.; KNUTOV, V.I.; KALECHITS, I.V.

Methods of the determination of the mark position in six-membered rings. Izv. vys. ucheb. zav.; khim. i khim. tekh. 8 no.3:432-434 '65. (MIRA 18:10)

1. Irkutskiy gosudarstvennyy universitet imeni Zhdanova, kafedra organicheskoy khimii.

VYKHRISTENKO, V., gvardii starshiy leytenant

There are opportunities for creative activities. Av.i kosm. 45 no.4:59-62 Ap '63. (MIRA 16:3)
(Air warfare)

VYKHOVSKAYA, A.G.

Principles and dynamics of oscillography in peripheral vascular diseases. Khirurgiia 40 no.5:100-103 My '64. (MIRA 18:2)

1. Klinika obshchey khirurgii pediatricheskogo fakul'teta (dir.- zasluzhennyy deyatel' nauki prof. G.P. Zaytsev) II Moskovskogo meditsinskogo instituta imeni Pirogova i Kaliningradskoy klinicheskoy bol'nitsy (glavnyy vrach P.M. Isakhanov).

KALECHITS, I.V.; LIPOVICH, V.G.; VYKHOVANETS, V.V.

Studying the mechanism of the destructive hydrogenation of benzene with the aid of tagged atoms. Dokl.AN SSSR 138 no.2:381-383 My '61. (MIRA 14:5)

1. Vostochno-Sibirskiy filial Akademii nauk SSSR. Predstavleno akademikom A.A.Balandinym.
(Radioactive tracers) (Hydrogenation) (Benzene)

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E030/E485

11.0132

AUTHORS: Kalechits, I.V., Lipovich, V.G., Vykhovanets, V.V., Petrova, V.N.

TITLE: Isotopic investigation on the mechanism of benzol, cyclohexane and methylcyclopentane conversions in destructive hydrogenation

PERIODICAL: Kinetika i kataliz, v.2, no.5, 1961, 748-753

TEXT: Destructive hydrogenation has been studied at 420°C and 350 atm on a WS_2 industrial high-temperature catalyst in order to elucidate the sequence and relationship between isomerization and fragmentation, the literature data on this subject being contradictory. The feedstocks chosen were either mixtures of benzol and cyclohexane or of these plus methylcyclopentane or of cyclohexane and methylcyclopentane; one of these compounds was marked by C^{14} in each experiment. The catalyst of 2 to 3 mm pellets had been heated with the feed in a 2-litre autoclave; the time of reaction occupied about 30 to 40 minutes of the whole heating time, which took about 150 to 160 min from 350°C. Preliminary experiments with unmarked material gave the correct conditions for

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the conversions required. After cooling, the hydrogenate was separated from the benzol by chromatography and then distilled on a 60-plate column. Both the yields and activities of catalysate were measured. In all experiments, there was a good linear relation between the activity of the fragmentation products and the methylcyclopentane yield; this indicates that hydrogenation proceeds faster than either isomerization or fragmentation. To show which of the two latter processes were more important, six experiments were carried out with no methylcyclopentane in the feedstock. It was found that the activity of the total end-products approximated to that of the methylcyclopentane yield. In three experiments where marked cyclohexane was used in the feed, there was less correlation with the cyclohexane ratio. The activity therefore arises, either from methylcyclopentane or from end-products with a yield proportional to that of methylcyclopentane, and the distribution of activity versus yields favours the former. It is suggested that since methylcyclopentane is formed directly from cyclohexane and from benzol without desorption, that the catalyst does not contain two types of active centre (metallic and

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acidic) but only one, and the molecules move over several sites. The reactions of hydrogenation and the reverse reactions are therefore best described, not in terms of rupture of the benzol nucleus but in terms of a complex formation, involving proton-transfer from the π-complex of the ring. There are 1 figure, 2 tables and 10 references: 8 Soviet-bloc and 2 non-Soviet-bloc. The references to English language publications read as follows: Ref.9: F.G.Ciapetta, R.M.Dobres, R.W.Baker. Catalysis, ed. P.H.Emmett, v.6, 1958, 495; Ref.10: F.E.Condon, Catalysis, ed. P.H.Emmett, v.6, 1958, 118.

ASSOCIATION: Institut nefte- i uglekhimicheskogo sinteza SO AN SSSR Irkutsk (Institute of Petrochemical and Organic Synthesis SO AS USSR, Irkutsk)

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KALECHITS, I.V.; LIPOVICH, V.G.; VYKHOVANETS, V.V.

Mechanism of the destructive hydrogenation of benzene studied by means of tagged atoms. Trudy Vost.-Sib.fil.AN SSSR no.38:5-14 '61. (MIRA 15:4)
(Benzene) (Hydrogenation) (Carbon--Isotopes)

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D040/D113

1.2310 1140, 1138, 1573, 2708

AUTHORS: Lakomskiy, V.I.; Vykhrestyuk, N.I.

TITLE: A method of spot gas analysis in welded joints

PERIODICAL: Avtomaticheskaya svarka, no. 9, 1961, 41-46

TEXT: A new gas analysis method is described by which gas content is determined in spots 0.5-1.0 mm in diameter melted by electron beam. It is based on electron bombardment in vacuum, used since 1958 in metal remelting and welding techniques (Ref.4: H.R.Smith, C.d'A.Hunt, C.W.Hanks, Electron Bombardment Melting, Pergamon Press, 164, 1959; Ref.5: H.W.Ternagen und W. Schlösser, "Zeitschrift für Technik, Industrie und Handel", 5, 396, 1960). The method principle is as follows: a specimen of maximum 30 by 10 by 10 mm size has to be ground and the spot to be analysed has to be polished flat; the specimen is placed into a vacuum chamber, and the polished spot on it melted by a focused electron beam during a fraction of a second. Gas liberating from the liquid metal pool flows into a mass spectrometer chamber for analysis. The duration of the electron beam pulse has to be controlled by

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a precision time relay. The electron beam tube (Fig.1) of the new unit has a focusing system of Pirs design (Ref.6: Dzh.Pirs, Teoriya i raschet elektronnykh puchkov /The theory and calculation of electron beams/, M., 1956). The shape of the electrodes and the focusing method are adopted from other Soviet sources describing X-ray apparatus for structural analysis (I.Ye.Dudavskiy, and F.I.Chuprinin, "Zavodskaya laboratoriya", no.6, 1950). The cathode and anode electrodes are cones with opening angles of 135° and 140°. The cathode consists of a spiral of three turns of tungsten wire 0.3 mm in diameter. The optimum focus is produced when the apertures in the cathode and anode are 2 and 4 mm in diameter respectively. The cathode is placed in the electrode cone apex. The beam diameter is 0.1[illegible] to 0.3 mm at 60 mm distance from the anode when the beam current is 5-10 ma and the anode voltage 15-20 kv. The metal specimen is placed on a plate (5) (Fig.1), and the end of the rod under the plate is immersed into liquid nitrogen in a Dewar vessel to chill the specimen in the vacuum to -150°C. The article includes a brief description of gun design details and of the mass spectrometer analysis. A skeleton diagram of the analysis system is given. The content of hydrogen, nitrogen and oxygen can be determined in various

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D040/D113

A method of spot gas analysis ....

metals, but not all three of these gases in any metal, e.g. hydrogen only can be determined in titanium. The determination accuracy is high. The method is said to be suitable for studying the behaviour of gases in welding metals, the effect of gas content on intergranular brittleness, and in the development of methods for degassing metals. There are 5 figures and 10 references: 6 Soviet and 4 non-Soviet bloc. The two references to English language publications read as follows: E.G.Bobalek and S.A.Shrader, Determination of Hydrogen, Carbon and Nitrogen in Magnesium Alloys, Industrial and Engineering Chemistry, Analytical Edition, v.17, no.9, 1945; H.R.Smith, C. d'A. Hunt, C.W.Hanks, Electron Bombardment Melting, Pergamon Press, 164, 1959.

ASSOCIATION: Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O.Patona AN USSR (Electric Welding Institute "Order of the Red Banner of Labor", im. Ye.O.Paton, AN UkrSSR)

SUBMITTED: March 22, 1961

Card 3/4

VYKHRESTYUK, N.I., kand. khim. nauk; LIZOGUB, A.P., kand. khim. nauk

Mass-spectrometric analysis of the casing-head gases of certain oil fields in the Ukrainian S.S.R. Neft. i gaz. prom. no.2:50-52 Ap-Je '63. (MIRA 17:11)

1. Gosudarstvennyy nauchno-issledovatel'skiy i proyektnyy institut ugol'noy, rudnoy, neftyanoy i gazovoy promyshlennosti Ukr.SSR.

1. BEDEL', V. K.; VYKHUKHOLEV, V. F.; IGNATENKO, Yu. F.

2. USSR (600)

4. Peredel'skiy, K. V.

7. Improving the quality of technical literature ("Casting non-ferrous alloys in metal forms." K. V. Peredel'skiy. Reviewed by V. K. Bedel', V. F. Vykhukholev, Yu. F. Ignatenko). Lit. proizv. No. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

L 9487-66 EWT(l)/EWT(m)/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(l)/EWA(h)/EWP(b) JD

ACC NR: AP5026775 SOURCE CODE: UR/0286/65/000/017/0061/0061

INVENTOR: Vykhukholev, V. F.; Glazyrin, V. N.; Il'in, A. T.; Kozlov, I. I.; Yakushin, I. A.; Davletkhanov, R. B.

ORG: none

TITLE: Book-fold casting machine for thin-walled large parts. Class 31, No. 174340

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 61

TOPIC TAGS: casting, book fold casting, thin wall part, large part, part casting

ABSTRACT: This Author Certificate introduces a machine for book-fold casting of large thin-walled parts. The machine (see Fig. 1) contains two movable molds mounted on a frame, forming the upper part of the liquid metal container. To regulate the

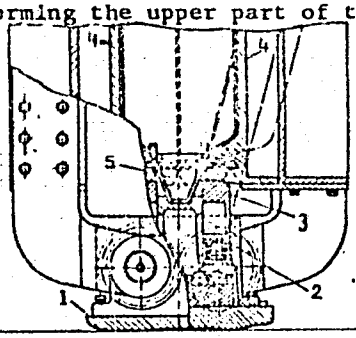

Fig. 1. Casting machine

1 - Welded frame; 2 - interchangeable base; 3 - supports; 4 - mold; 5 - container.

Card 1/2 UDC: 621.74.043.2

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ACC NR: AP5026775

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volume of the container, the machine is provided with an interchangeable base mounted on the frame and supports which form the bottom of the container. To ensure a close fitting of supports with molds, the supports are pressed against the mold by springs and the upper part of the supports has a configuration ensuring close contact with the molds during mold rotation. Orig. art. has: 1 figure. [AZ]

SUB CODE: 13/ SUBM DATE: 26Dec63/ ATD PRESS: 4164

Card 2/2

L 22732-66 EWT(d)/EWT(m)/EWP(v)/EWP(t)/EWP(k)/EWP(h)/EWP(l)/EWA(h) JD

ACC NR: AP6002900 SOURCE CODE: UR/0286/65/000/024/0063/0064

AUTHORS: Yamshchikov, S. V.; Vykhukholev, V. F.; Musiyachenko, A. S.; Osipov, V. Ya.; Kuznetsov, L. M.; Simpura, P. M.; Stebakov, Ye. S.

ORG: none

TITLE: Method for casting thin-walled parts. Class 31, No. 177050

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 63-64

TOPIC TAGS: metal casting, pressure casting

ABSTRACT: This Author Certificate presents a method for casting thin-walled parts in an apparatus consisting of two chambers (for the mold and pouring crucible) in which the filling of the mold with metal takes place due to the pressure difference between the chambers (see Fig. 1). To increase the quality of the parts, the mold chamber is raised to above-atmospheric pressure during metal pouring, while the crucible chamber is pressurized above the pressure of the mold chamber.

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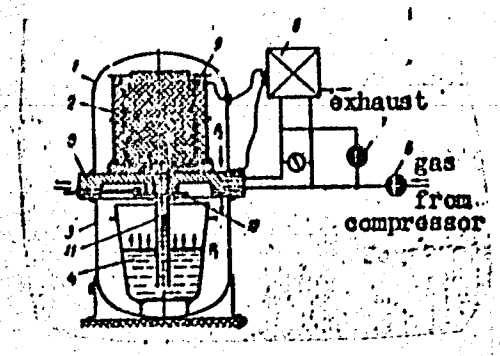
L 22732-66

ACC NR: AP6002900

Fig. 1. 1 - Chamber; 2 - mold;
3 - chamber; 4 - crucible;
5 - base; 6 and 7 - valves;
8 - automatic controller;
9 - transducer; 10 - cut-off;
11 - metal guide.



Orig. art. has: 1 figure.

SUB CODE: 13/ SUBM DATE: 09Feb63

Card 2/2

Vykydalova, Zdenka

CZECHOSLOVAKIA/Human and Animal Physiology - Blood.

Abs Jour : Ref Zhur - Biol., No 2, 1958, 8473

Author : Vaclav Rukl and Zdenka Vykydalova
Inst : -
Title : Observations on the Problem of the Detection and Evaluation of Heinz Bodies.

Orig Pub : Pracovni lekar, 1956, 8, No 1, 41-42

Abstract : Large quantities of phenylhydrazine were absorbed through the injured skin of 6 workers of a chemical factory with severe burns. A considerable amount of erythrocytes with Heinz bodies appeared in the peripheral blood. After 6 days Heinz bodies were not detected. The decrease in the number of Heinz bodies was accompanied by an increase in the number of reticulocytes. Heinz bodies were not found among patients with severe burns who were not subjected to the effect of phenylhydrazine. The detection of Heinz bodies is of diagnostic significance.

Card 1/1

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BULGARIA/Cultivated Plants. Grains.

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20279.

Author : D. Vylchanov, S. Dimitrov, I. Dobreva-Vylchanova, G. Khristov.
Inst : Not given.
Title : The Effect of Cutting the Panicles of Corn on the Yield.
(Vliyaniye obrezki metelok kukuruzy na urozhay).

Orig Pub: Selskostop. mis"l, 1956, 1, No 8, 471-474.

Abstract: To replenish lacks in coarse fodder in Southern Bulgaria, corn panicles are cut at the height of the attachment of the cob during the phase of milky ripeness. Tests conducted under production conditions showed that this method lowers the grain yield not less than by 8%.

Card : 1/1

POPIVANOV, R.P.; VYLCHANOV, V.Kh.

Organ antigens in human spermatozoa. Biul. eksp. biol. i med. 59 no.2:110-114 F '65. (MIRA 18:7)

1. Kafedra obshchey biologii (zav. - prof. R.P. Popivanov) Vysshego meditsinskogo instituta i Institut mikrobiologii (dir. - chlen-korrespondent Bolgarskoy akademii nauk Al. Toshkov) Bolgarskoy akademii nauk, Sofiya.

POPIVANOV, R.; VYLCHANOV, V.Kh.

Dynamics of experimental immune spermophagocytosis. Zhur. mikrobiol., epid. i immun. 33 no.2:68-70 F '62. (MIRA 15:3)

1. Iz Meditsinskogo instituta i Instituta biologii imeni M. Popova Bolgarskoy AN, Sofiya.
(SPERMATOZOA) (PHAGOCYTOSIS) (IMMUNITY)